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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600,380	06/19/2003	Kuo-Wei H. Chen	CHEN 8-4-5-14-4(CIP)	8535
46266 7590 04/16/2007 PRIEST & GOLDSTEIN, PLLC 5015 SOUTHPARK DR SUITE 230 DURHAM, NC 27713			EXAMINER ADDY, THUAN KNOWLIN	
			ART UNIT	PAPER NUMBER

2614

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/16/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/600,380

Applicant(s)

CHEN ET AL.

Examiner

Thjuan K. Addy

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,9-12 and 15-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,9-12 and 15-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed on January 26, 2007 has been entered. Claims 1, 9, and 10 have been amended. Claims 4-8, 13, and 14 have been cancelled. Claims 15-17 have been added. Claims 1-3, 9-12, and 15-17 are now pending in this application, with claims 1 and 9 being independent.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3, 9-12, and 15-17 are rejected under 35 U.S.C. 102(e) as being unpatentable over Tuohino et al (US 7,027,433), in view of Slater et al (US 5,517,564).
3. In regards to claims 1, 9, and 12, Tuohino discloses a call forwarding method and location management apparatus for routing a call through a plurality of different networks (for example, the networks may be a circuit switched network (CS), a packet switched network (PS), a IP Multimedia Subsystem network (IMS)) (See col. 3 lines 46-56 and col. 4 lines 50-56) comprising: receiving a call in a subscriber's home network (e.g., CS network) (See col. 1 lines 46-52 and col. 5 lines 19-26); assigning a first call identifier (e.g., MSISDN number (E.164 number) for said call in the subscriber's home

Art Unit: 2614

network (See col. 5 lines 19-26); determining a second network (e.g., PS network) where the subscriber may be located (See col. 6 lines 5-15); obtaining a second call identifier (e.g., E.164 number) for said call from the second network; obtaining an identification of a first network interface through which said call may be routed; and extending said call from the subscriber's home network through the first network interface into the second network using the first call identifier and the second call identifier (See col. 6 lines 5-36). Tuohino, however, does not disclose receiving a message in an integrated location management component that the call is to be forwarded to a third network; terminating the call to the second network; and extending the call from the first network through a second network interface to the third network. Slater, however, does disclose receiving a message in an integrated location management component that the call is to be forwarded to a third network (for example, the message indicates that the third communication network, which operates in accordance with a particular communication protocol, is needed in order to provide an appropriate call service); terminating the call to the second network; and extending the call from the first network through a second network interface to the third network (See Abstract and col. 2 lines 46-67). Therefore, it would have been obvious for one of ordinary skill in the art at the time of the invention to incorporate these features within the method, as a way of providing the appropriate service to a call, through the use of different communication networks, which have different protocols.

4. In regards to claim 2, Tuohino discloses a method and location management apparatus, further including: storing the first call identifier in association with the second call identifier (See col. 6 lines 5-30).
5. In regards to claims 3 and 11, Tuohino discloses a method and location management apparatus, further including: storing the identification of the first network interface in association with the first call identifier and the second call identifier (See col. 6 lines 5-30).
6. In regards to claim 10, Tuohino discloses an integrated location management apparatus, further including: a database holding location information for said plurality of networks and supporting inter-operability with said different protocols for call forwarding (See col. 6 lines 5-30).
7. In regards to claim 15, Tuohino discloses the method, further comprising: obtaining a third call identifier (e.g., E.164 number) for said call from the third network (e.g., IMS network) (See col. 6 lines 34-59).
8. In regards to claim 16, Tuohino discloses the method, further comprising: storing the third call identifier with an identification (e.g., E.164 number) of the second network (e.g., PS network) interface (See col. 6 lines 34-59).
9. In regards to claim 17, Slater discloses the integrated location management apparatus, further comprising: means for forwarding the call from the first network to the third network (See col. 2 lines 46-67).

Response to Arguments

10. Applicant's arguments with respect to claims 1-3, 9-12, and 15-17 have been considered but are moot in view of the new ground(s) of rejection. However, in regards to Applicant's argument that in Tuohino, calls are routed from A to B to C rather than directly from A to C when forwarding is required. Independent claims 1 and 9, of the present invention, however, do not recite the call being forwarded directly from A to C. The claims recite that the call is extended from "the first network through a second network interface to the third network", therefore, the call is not directly forwarded from A (i.e., first network) to C (i.e., third network).

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Bienn et al (US 2003/0169729 A1) teach call clearing for legacy mobile circuit switched domain wireless systems. Vuong (US 6,765,912) teaches network resource usage in call sessions.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thjuan K. Addy whose telephone number is (571) 272-7486. The examiner can normally be reached on Mon-Fri 8:30-5:00pm.

13. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on (571) 272-7488. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2614

14. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink, reading "Thjuan K. Addy". The signature is fluid and cursive, with the first name "Thjuan" and last name "Addy" clearly distinguishable.

Thjuan K. Addy
Patent Examiner
AU 2614